

CLAIMS

What is claimed is:

- 1 1. A method of managing multiple telephone calls in a network, comprising
2 the steps of:
3 receiving an incoming telephone call having a first character for a
4 subscriber to the network;
5 determining whether the incoming telephone call has one of the first
6 character and a second character in order to classify the incoming telephone call; and
7 routing the incoming telephone call to a location depending upon its
8 classification as a telephone call of the first or second character.
- 1 2. The method recited in claim 1, wherein the determining step comprises the
2 step of reading an identification number associated with the subscriber to determine
3 whether the subscriber has activated a feature associated with the incoming call indicative
4 of the first or second character.
- 1 3. The method recited in claim 2, wherein the determining step comprises the
2 step of detecting at least one tone associated with the incoming telephone call wherein the
3 first or second character can be determined from the tone.
- 1 4. The method recited in claim 3, wherein the second character indicates that
2 the incoming call comprises a facsimile transmission.
- 1 5. The method recited in claim 4 wherein the first character indicates that the
2 incoming call comprises a voice call.
- 1 6. The method recited in claim 5, further comprising the step of notifying the
2 subscriber that a facsimile transmission has been received by the network.

1 7. The method recited in claim 6, wherein the routing step comprises the step
2 of sending the facsimile transmission to a voice mail location for the subscriber.

1 8. The method recited in claim 7, wherein the notifying step comprises the
2 step of sending a web page to the subscriber to tell the subscriber that a facsimile
3 transmission has been received and forwarded to voice mail.

1 9. A method of routing telephone calls in a network, comprising the steps of:
2 receiving an incoming telephone call to the network that is intended for a
3 subscriber to the network;

4 classifying the incoming call as one of a voice call and another type of
5 call;

6 routing the incoming call to the subscriber to the network if the incoming
7 call is classified as a voice call; and

8 routing the incoming call to another location if the incoming call is
9 classified as another type of call.

1 10. The method recited in claim 9, further comprising the step of notifying the
2 subscriber that an incoming call of the other type has been received by the network.

1 11. The method recited in claim 10, wherein the incoming call of the other
2 type comprises a facsimile call.

1 12. The method recited in claim 11, the step of routing the facsimile call
2 comprises the storing the facsimile call in a voice mail location associated with the
3 subscriber of the network.

1 13. The method recited in claim 12, wherein the facsimile call has associated
2 with it a series of tones which indicate to the network that the incoming call is a facsimile
3 call.

1 14. The method recited in claim 9, further comprising the step of identifying a
2 mobile identification number associated with a subscriber so that the network can
3 determine whether the subscriber has activated a feature associated with the incoming
4 call so that it can be determined whether the incoming call is the voice call or the call of
5 the other type.

1 15. A system for managing multiple telephone calls in a network, comprising:
2 a receiving module for receiving an incoming telephone call having a first
3 character for a subscriber to the network;
4 a classifying module for classifying the incoming telephone call as a call
5 having one of the first character and a second character; and
6 a routing module for routing the incoming telephone call to a location
7 depending upon its classification as a telephone call of the first or second character.

1 16. The system recited in claim 15, wherein the classifying module comprises
2 a reading module for reading a mobile identification number associated with the
3 subscriber to determine whether the subscriber has activated a feature associated with the
4 incoming call so that the first or second character can be determined.

1 17. The system recited in claim 16, wherein the classifying module is operable
2 for detecting at least one tone associated with the incoming telephone call wherein the
3 first or second character can be determined from the tone.

1 18. The system recited in claim 17, wherein the second character indicates that
2 the incoming call comprises a facsimile transmission.

1 19. The system recited in claim 18 wherein the first character indicates that
2 the incoming call comprises a voice call.

1 20. The system recited in claim 19, further comprising a notifying module for
2 notifying the subscriber that a facsimile transmission has been received by the network.

1 21. The system recited in claim 20, wherein the routing module is operable for
2 sending the facsimile transmission to a voice mail location for the subscriber.

1 22. The method recited in claim 21, wherein the notifying module is operable
2 for sending a web page to the subscriber to tell the subscriber that a facsimile
3 transmission has been received and forwarded to voice mail.